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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/822,874	04/13/2004	Frank Le	60282.00144	3172
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SQUIRE, SANDERS & DEMPSEY L.L.P. 14TH FLOOR 8000 TOWERS CRESCENT TYSONS CORNER, VA 22182			EXAMINER HALIYUR, VENKATESH N	
			ART UNIT 2616	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/822,874

Applicant(s)

LE ET AL.

Examiner

Venkatesh Haliyur

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-24 are pending in the application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-9,13-15,22-23 is rejected under 35 U.S.C. 102(e) as being anticipated by Bahl [US Pat: 7,146,418].

Regarding claim 1,22, Bahl in the invention of "Method and System for Providing Transparent Mobility Support" disclosed a method for configuring an anchor node (**correspondent host**) in a communication network (**Fig 4**), the method comprising the steps of: first requesting to initiate a communication session (**SIP**) for a first terminal (**Fred@abcd.com**) via a communication management node (**SIP service node, item 90 of Fig 4**) of said communication network (**local network, Fig 4**); first establishing, at an anchor node (**item 102 of Fig 4**) a binding (**mapping**) for the first terminal upon request by said

communication management node (**col 7, lines 39-47**); forwarding said first requesting to initiate from said communication management node based on the established binding towards a second terminal (**Bob@wxyz.com, col 7, lines 52-57**); acknowledging (**ACK**) said first requesting to initiate by said second terminal to said communication management node (**col 7, lines 66-67, col 8, lines 1-7**); and second establishing, at said anchor node, a binding for the second terminal upon request by said communication management node (**col 8, lines 8-14**).

Regarding claim 2, Bahl disclosed that the said step of requesting to initiate comprises a step of indicating to said communication management node, at least the addresses (**IP addresses**) of the terminals to be involved in the communication session (**col 7, lines 26-38, col 8, lines 8-14**).

Regarding claim 3, Bahl disclosed said step of indicating further comprises informing a port number for said communication session of said first terminal (**col 7, lines 45-42**).

Regarding claims 4-5, Bahl disclosed said steps of establishing the bindings comprise the step of associating an alias (**domain names**) to said respective terminal and further disclosed said steps of establishing the bindings further comprise the step of storing the associated alias for the respective terminal at said anchor node (**col 7, lines 32-38**).

Regarding claims 6-7, Bahl disclosed the said step of acknowledging further comprises a step of informing a port number for said communication

session of said second terminal (**col 8, lines 1-3**) and further comprising a step of notifying said first terminal of the initiation of the session using the binding for said second terminal (**col 8, lines 4-14**).

Regarding claim 8,23, Bahl disclosed the steps of second requesting to terminate the communication session for the first terminal via the communication management node (**SIP service node, item 90 of Fig 4**) of said communication network (**local network**), forwarding said second requesting to terminate from said communication management node based on the established binding towards the second terminal (**col 9, lines 51-55**), acknowledging said second requesting to terminate by said second terminal to said communication management node (**col 9, lines 56-58**), first releasing, at the anchor node, the binding for the first terminal upon request by said communication management node, and second releasing, at said anchor node (**correspondent host, Figs 4-5**), the binding for the second terminal upon request by said communication management node (**col 8, lines 56-63**).

Regarding claim 9, Bahl disclosed wherein said steps of releasing comprise a step of a deleting (**unbuffering**) the associated alias for the respective terminal at said anchor node (**col 8, lines 56-63**).

Regarding claim 13, Bahl disclosed an anchor node (**correspondent node**) in a communication network (**Figs 4-5**), comprising: a receiver (**item 100 of Fig 4**) for receiving a first binding request for establishing a first binding for a first terminal requesting a communication session initiation from a communication

management node (**item 80 of Fig 2**); a processor (**WSIP module**) for establishing the first binding for said first terminal in response to said received binding request and returning said binding to said communication management node (**col 7, lines 26-38**); said receiver receiving a second binding request for establishing a second binding for a second terminal to be involved in the communication session from the communication management node (**col 7, lines 39-58**); and said processor establishing the second binding for the second terminal upon request by said communication management node (**col 7, lines 59-67, col 8, lines 1-5**).

Regarding claims 14-15, Bahl disclosed wherein said processor comprises an allocating device associating an alias to said respective terminal when establishing the binding and comprising a memory (**buffer, item 94 of Fig 3**) storing the associated alias for the respective terminal (**col 7, lines 26-32**).

4. Claims 17-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Forslow [US Pat: 6,954,790].

Regarding claim 17, Forslow disclosed a filtering node (**Firewall, item 152 of Fig 14**) in a communication network, the filtering node comprising: a receiver receiving data to be communicated from a first terminal to a second terminal (**mobile VPN clients**), the data being received from an anchor node (**router, item 10 of Fig 14**) maintaining bindings for the terminals (**col 18, lines 18-27**); a

processor (**communication controller, item 149**) analyzing the bindings for said terminals; and a filter filtering said data dependent on the result of the analysis (**col 18, lines 28-33**).

Regarding claims 18-19, Forslow disclosed said filter passes said data to be communicated onwards to the second terminal based on the binding, if such binding exists among the configured bindings at the anchor node (**router, item 10 of Fig 14**) and said filter blocks said data from being communicated onwards to the second terminal based on the binding, if such binding does not exist among the configured bindings at the anchor node (**router, item 10 of Fig 14, col 18, lines 5-33**).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 10-12, 16, 20-21, 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bahl [US Pat: 7,146,418] in view of Forslow [US Pat: 6,954,790].

Regarding claims 10,24, Bahl disclosed a method of communicating data in an established communication session between a first terminal (**Fred**) and a second terminal (**Bob**) in a communication network (**Fig 4**), the method comprises the steps of: transmitting the data to be communicated from the first terminal (Fred) to an anchor node (**correspondent host**), the anchor node configured to store a table of respective bindings for the terminals (**col 7, lines 26-58, col 9, lines 24-37, Figs 4-5**), but fails to disclose relaying the data to be communicated from the anchor node towards a filtering node of said network using the configured bindings for the terminals; and filtering, at said filtering node, said data to be communicated based on the bindings for said terminals.

However, Forslow in the invention of "Method and System for Providing Transparent Mobility Support" disclosed, a method for relaying the data to be communicated from the anchor node (**router, item 10 of Fig 14**) towards a filtering node (**Firewall, item 152 of Fig 14**) of said network using the configured bindings for the terminals (**mobile VPN clients**); and filtering, at said filtering node, said data to be communicated based on the bindings (**rules**) for said terminals (**Fig 14, col 18, lines 5-33**).

Therefore it would have been obvious for one of the ordinary skill in the art at the time the invention was made to use the method of filtering the data communicated from anchor node based on the bindings for the terminals as taught by Forslow in the system of Bahl to relaying the data to be communicated from the anchor node towards a filtering node of said network using the

configured bindings for the terminals; and filtering, at said filtering node, said data to be communicated based on the bindings for said terminals. One is motivated as such in order to include a filtering node to provide a secured session between the communicating terminals.

Regarding claims 11-12, Bahl disclosed binding communication between the terminals (**col 7, lines 39-58**), but fails to disclose filtering and passing said data to be communicated through said filtering node onwards to the second terminal based on the binding, if such binding exists among the configured bindings and said step of filtering further comprises blocking said data from being communicated through said filtering node to the second terminal based on the binding, if such binding does not exist among the configured bindings.

However, Forslow disclosed, a method for filtering (**Firewall, item 152 of Fig 14**) and passing said data to be communicated through said filtering node onwards to the second terminal based on the binding, if such binding exists among the configured bindings (**mobile VPN clients**) and said step of filtering further comprises blocking said data from being communicated through said filtering node to the second terminal based on the binding, if such binding does not exist among the configured bindings (**Fig 14, col 18, lines 5-33**).

Therefore it would have been obvious for one of the ordinary skill in the art at the time the invention was made to use the method of filtering and passing the data to second terminal based on the bindings for the terminals as taught by Forslow in the system of Bahl to filtering and passing said data to be

communicated through filtering node onwards to the second terminal based on the binding, if such binding exists among the configured bindings or blocking said data from being communicated through said filtering node to the second terminal based on the binding, if such binding does not exist among the configured bindings. One is motivated as such in order to include a filtering node that controls and allows data traffic between a second terminal and the first terminal based on the bindings.

Regarding claim 16, Bahl disclosed an anchor node (**correspondent node**) in a communication network (**Figs 4-5**), the anchor node comprising: a receiver (**item 100 of Fig 4**) for receiving data to be communicated from the first terminal to a second terminal; a memory (**buffer, item 94 of Fig 3**) storing a table of respective configured bindings for the terminals (**col 7, lines 39-58**) but fails to disclose a processor relaying the data to be communicated towards a filtering node of said network using the configured bindings for the terminals.

However, Forslow disclosed a method for relaying the data to be communicated from a processor (**router, item 10 of Fig 14**) towards a filtering node (**Firewall, item 152 of Fig 14**) of said network using the configured bindings for the terminals (**mobile VPN clients, Fig 14, col 18, lines 5-33**).

Therefore it would have been obvious for one of the ordinary skill in the art at the time the invention was made to use the method of relaying the data communicated from a processor towards a filtering node as taught by Forslow in the system of Bahl for controlling the data to be communicated from the

processor towards a filtering node to be communicated with the second terminal based on the binding using the configured bindings for the terminals. One is motivated as such in order to include a filtering node that controls and allows data traffic between a second terminal and the first terminal based on the bindings.

Regarding claim 20, Bahl disclosed the step of relaying comprises a step of address translation based on the configured bindings (**col 5, lines 27-43**).

Conclusion

7. Any inquiry concerning this communication or earlier communications should be directed to the attention to Venkatesh Haliyur whose phone number is 571-272-8616. The examiner can normally be reached on Monday-Friday from 9:00AM to 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edan Orgad can be reached @ (571)-272-7884. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (571)-272-2600 or fax to 571-273-8300.
8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

Venkatesh Haliyur

Patent Examiner

UA 08/30/07

EDAN B. ORGAD
SUPERVISORY PATENT EXAMINER

E. Orgad 9/4/07